	Application No.	Applicant(s)
Notice of Allowability	10/628,231	GEHLOT ET AL.
	Examiner	**Art Unit**	
	Marivelisse Santiago-Cordero	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the response filed on 06/07/06*.

2. ☒ The allowed claim(s) is/are *1-3, 9, 11-15, 17-22, 27, 28 and 30-38*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08),
    Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
    of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413),
    Paper No./Mail Date *20061010* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview with

Applicant's representative, John Curtin, on 10/10/06.

3.   The application has been amended as follows:

Claim 1 (Currently Amended): A method for controlling handoffs in a wireless

communication system, comprising the steps of:

receiving a plurality of vectors associated with [the] a mobile unit;

detecting multipath propagation when at least two of the plurality of received vectors

include identical location and time coordinates; [and]

performing a handoff when multipath propagation is detected, wherein each vector

comprises three dimensional terrestrial data; and further comprising the steps of:

calculating a magnitude of each of the plurality of received vectors;

combining the calculated magnitudes into a combined magnitude; and

determining whether the handoff is necessary based on the combined magnitude.

Claim 8 (Cancelled).

Claim 9 (Currently Amended): The method of claim 1 [8] further comprising the step of:

receiving one or more magnitudes from one or more [other] base stations;

comparing the combined magnitude to the received magnitudes; and determining that a handoff is necessary when one of the received magnitudes is less than the combined magnitude.

Claim 20 (Currently Amended): A device for controlling handoffs in a wireless communication system, comprising:

means for receiving a plurality of vectors associated with [the] a mobile unit;

means for detecting multipath propagation when at least two of the plurality of received vectors include identical location and time coordinates; and

means for performing the handoff when multipath propagation is detected, wherein each vector comprises three dimensional terrestrial data; and further comprising

means for calculating a magnitude of each of received vector;

means for receiving one or more magnitudes corresponding to coverage areas of one or more base stations;

means for comparing the calculated magnitudes to the received magnitudes; and

means for determining whether that the handoff is necessary when one of the received magnitudes is less than the calculated magnitude.

Claim 26 (Cancelled).

Allowable Subject Matter

4.   Claims 1-3, 9, 11-15, 17-22, 27-28, and 30-38 (renumbered as 1-26, respectively) are allowed.

5.   The following is an examiner's statement of reasons for allowance.

Claims 1 and 20 are allowed because the closest prior art Desgagné (Patent No.: 6,047,7191), either singularly or in combination, fail to anticipate or render obvious, a method

and a device for controlling handoffs in a wireless communication system, comprising the steps of: calculating a magnitude of each of the plurality of received vectors; combining the calculated magnitudes into a combined magnitude; and determining whether the handoff is necessary based on the combined magnitude, in combination, with all other limitations in the claim (s) as defined by applicant.

6.   Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee.   Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marivelisse Santiago-Cordero whose telephone number is (571) 272-7839. The examiner can normally be reached on Monday through Friday from 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571) 272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER